RT Leggings
SO DOE FRASE VOCABULARY

KNIFE(S)
(3041 KNIFE)
DA January 3, 1991
BT1 Tools - Manual
BT2 Tools (DOE FRASE Vocabulary)
BT3 Equipment
NT1 Pocket Knife(s)
RT Laceration
SO DOE FRASE VOCABULARY

KNOWLEDGE
(MORT)
DA April 3, 1991
RT Analyses
RT Communication
RT Corrective Action Triggers
RT Monitoring
RT Technical Information Systems
RT Trending
DEF (WEBSTER) The fact or condition of knowing something with familiarity gained through experience or association. (MORT) MORT analysis asks: was knowledge of the work flow process adequate? based upon known precedent; was application of knowledge obtainable from codes and manuals adequate? was the list of experts to contact for knowledge adequate? was any existing but unwritten precedent relevant to the work flow process known to the appropriate person? were there studies directed to the solution of known work flow process problems? were there investigations and analyses of prior similar accidents/incidents? was there research directed to the obtaining of knowledge about the work flow process? etc.

KNOWLEDGE OF RESULTS
(SSDC)
DA October 12, 1990
SF *KOR*
RT Feedback
SO System Safety Development Center Glossary
DEF (SSDC) Having useful feedback on the operation so that the information is adequate and in the right form for proper interpretation to make decisions.

KNOWN HUMAN EFFECTS
(TSCA; CFR)
DA October 12, 1990
BT1 Effects
RT Critical Organs
RT Effects on Welfare
RT Toxicity
SO Hazardous Materials
DEF (CFR) Commonly recognized human health effects of a particular substance or mixture as described either in (1) scientific articles or publications abstracted in standard reference sources or (2) the firm's product labeling of material safety data sheets (MSDS). However, an effect is not a "known human effect" if it (1) was a significantly more severe toxic effect than previously described; (2) was a manifestation of a toxic effect after a significantly shorter exposure period or lower exposure level than described; and (3) was a manifestation of a toxic effect by an exposure route different from that described.

KNOWN PRECEDENTS
(SSDC)
DA October 12, 1990
RT Actuarial
SO System Safety Development Center Glossary
DEF (SSDC) The use of technical information and knowledge from past experience and existing data to assist in hazard or accident analysis. This knowledge could come from such sources as: codes, manuals and recommendations; written reports and case histories; lists of expertise (experts); and studies directed toward solutions of known problems.

KNUCKLE(S)
(1102 KNUCKLE)
DA November 28, 1990
BT1 Joint(s)
BT2 Human Body Parts
RT Glove(s)
RT Hand Protection
RT Hand(s)
SO DOE FRASE VOCABULARY

KOR
DA October 12, 1990
SEE Knowledge of Results
SO Acronyms
SO System Safety Development Center Glossary

KV
DA October 12, 1990
SEE Kilovolt
SO Acronyms

LAB COAT
(2671 LAB COAT)
DA January 3, 1991
BT1 Anticontamination Clothing
BT2 Clothing
BT2 Personal Protective Equipment
BT3 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)
BT4 Equipment
SO DOE FRASE VOCABULARY

LABELED COMPOUNDS
(NIH)
DA October 12, 1990
RT Isotopic Tracers
SO Radiation
DEF (NIH) Compounds consisting, in part, of labeled molecules. By observations of radioactivity or isotopic composition these compounds or their fragments may be followed through physical, chemical, or biological processes.

LABELING
(USC)
DA November 15, 1990
BT1 Labels
NT1 Marks
RT Pesticides
RT Signal Words
DEF (USC) All labels and all other written, printed, or graphic matter (A) accompanying the pesticide or device at any time; or (B) to which reference is made on the label or in literature accompanying the pesticide or device, except to current official publications of the Environmental Protection Agency, the United States Departments of Agriculture and Interior, the Department of Health and Human Services, State experiment stations, State agricultural colleges, and other similar Federal or State institutions or agencies authorized by law to conduct research in the field of pesticides.

LABELS
(USC)
DA November 15, 1990
NT1 Labeling
NT2 Marks
RT Pesticides
DEF (USC) The written, printed, or graphic matter on, or attached to, the pesticide or device or any of its containers or wrappers.

LABORATORIES
DA February 1, 1991
BT1 Research and Development Organizations
BT2 Organizations
NT1 Argonne National Laboratory
NT2 Argonne National Laboratory-East (Chicago)
NT2 Argonne National Laboratory-West (At INEL)
NT1 Argonne National Laboratory-East (Chicago)
NT1 Argonne National Laboratory-West (At INEL)
NT1 Battelle Columbus Laboratories
NT1 Brookhaven National Laboratory

NT1 Idaho National Engineering Laboratory
NT2 Power Burst Facility
NT1 Laboratory for Energy-Related Health Research
NT1 Lawrence Livermore National Laboratory
NT1 Lawrence Berkeley Laboratory
NT1 Los Alamos National Laboratory
NT1 Nationally Recognized Testing Laboratories
NT1 Oak Ridge National Laboratory
NT1 Pacific Northwest Laboratory
NT1 Performance Testing Laboratories
NT1 Research & Development Laboratory
NT1 Sandia National Laboratories
NT2 Sandia National Laboratories-Alburquerque
NT2 Sandia National Laboratories-Livermore
RT Functional Units
SO Environmental Management
SO Industrial Hygiene
DEF (WEBSTER) A place equipped for experimental study in a science or for testing and analysis.

LABORATORY
(1706 LABORATORY)
DA December 10, 1990
BT1 Site (DOE FRASE Vocabulary)
BT2 Sites/Areas
SO DOE FRASE VOCABULARY

LABORATORY AUDITS
(ESH)
DA October 12, 1990
RT Audits (SSDC)
SO Quality Assurance
DEF (ESH) Evaluations to assure that all the necessary quality control is being applied by a laboratory to deliver a quality product. Should allow the evaluators to determine that the organization and personnel are qualified to perform assigned tasks; adequate facilities and equipment are available; complete documentation, including chain-of-custody of sample is being implemented; proper analytical methodology is being used; adequate analytical quality control, including reference samples, control charts, and documented corrective action measures, is being provided; and acceptable data handling and documentation techniques are being used.

LABORATORY FOR ENERGY-RELATED HEALTH RESEARCH
DA January 8, 1991
SF *LEHR*
BT1 Laboratories
BT2 Research and Development Organizations
BT3 Organizations

LACERATION
(1330 LA)
DA November 28, 1990
BT1 Injuries
RT Knife(s)
RT Puncture
SO DOE FRASE VOCABULARY

LAGOONS
(EPA)
DA October 12, 1990
SY Stabilization Ponds
RT Sewage Lagoons
SO Environmental Protection Agency Glossary
DEF (EPA) (1) Shallow ponds where sunlight, bacterial action, and oxygen work to purify wastewater; also used to store wastewaters or spent nuclear fuel rods. (2) Shallow bodies of water, often separated from the sea by coral reefs or sandbars.

LAKES
(CWA; RHA; CFR)
DA October 12, 1990
BT1 Inland Waters
BT1 Surface Waters
BT2 Water
BT1 Surface Water Resources
BT2 Natural Resources
NT1 Dystrophic Lakes
NT1 Eutrophic Lakes
NT1 Oligotrophic Lakes
RT Eutrophication
RT Limnology
SO Water Pollution
DEF (CFR) Standing bodies of open water that occur in a natural depression fed by one or more streams from which a stream may flow, that occur due to the widening or natural blockage or cutoff of a river or stream, or that occur in an isolated natural depression that is not a part of a surface river or stream. The term also includes standing bodies of open water created by artificially blocking or restricting the flow of a river, stream, or tidal area. As used in this regulation, the term does not include artificial lakes or ponds created by excavating and/or diking dry land to collect and retain water for such purposes as stock watering, irrigation, settling basins, cooling, or rice growing.

LAND APPLICATION
(EPA)
DA October 12, 1990
NT1 Overland Flow
SO Construction
SO Environmental Protection Agency Glossary
DEF (EPA) Discharge of wastewater onto the ground for treatment or reuse.

LAND DISPOSAL
(SWDA; RCRA; CFR; ESH)
DA October 12, 1990
BT1 Disposal
BT2 Waste Management Processes
BT3 Processes
NT1 Near Surface Disposal
NT2 Shallow Land Burial
RT Land Disposal Units
RT Land Reclamation
RT Land Disposal Restrictions
RT Piles (Wastes)
RT Reclamation
RT Sanitary Landfills
RT Surface Impoundment
RT Treatment Technologies
SO Environmental Management
SO Wastes
DEF (CFR) Placement in or on the land and includes, but is not limited to, placement in a landfill, surface impoundment, waste pile, injection well, land treatment facility, salt dome formation, salt bed formation, underground mine or cave, or placement in a concrete vault or bunker intended for disposal purposes.

LAND DISPOSAL FACILITIES
(ANL; CFR)
DA May 24, 1991
BT1 Disposal Facilities
BT2 Hazardous Waste Management Facilities
BT3 Hazardous Waste Facilities
BT4 Facilities
NT1 Near Surface Disposal Facilities
SO Environmental Management
SO Wastes
DEF (CFR) The land, buildings, and equipment which are intended to be used for the disposal of radioactive wastes into the subsurface of the land. For purposes of this chapter, a geologic repository as defined in 40 CFR 60 is not considered a land disposal facility.

LAND DISPOSAL RESTRICTIONS
DA January 8, 1991
SF *LDR*
BT1 Requirements
RT Land Disposal

LAND DISPOSAL UNITS
DA January 24, 1991
BT1 Disposal Units
BT2 Corrective Action Management Units
BT3 Sites/Areas

NT1 Landfill Cells
NT1 Landfills
NT2 Chemical Waste Landfills
NT2 Sanitary Landfills
NT2 Specially Designated Landfills
RT Land Disposal
RT Land Treatment Facilities
SO Environmental Management
DEF (CFR) Includes, but is not limited to, placement in a landfill, surface impoundment, waste pile, injection well, land treatment facility, salt dome formation, salt bed formation, underground mine or cave, or placement in a concrete vault or bunker intended for disposal purposes.

LAND FARMING (OF WASTE)
(EPA)
DA October 12, 1990
BT1 Disposal
BT2 Waste Management Processes
BT3 Processes
SO Environmental Protection Agency Glossary
DEF (EPA) A disposal process in which hazardous waste deposited on or in the soil is naturally degraded by microbes.

LAND RECLAMATION
(EDB)
DA February 1, 1991
BT1 Reclamation
BT2 Resource Recovery
BT3 Pollution Recovery Processes
BT4 Processes
RT Abandoned Areas
RT Conservation
RT Land Disposal
SO Environmental Management
DEF (DSTT) The recovery of land previously abandoned due to some form of natural resource damage.

LAND TREATMENT FACILITIES
(SWDA; RCRA, CFR)
DA October 12, 1990
BT1 Facilities
BT1 Treatment Facilities
BT2 Facilities
RT Hazardous Waste Management Units
RT Land Disposal Units
RT Landfills
RT Reclamation
RT Treatment Zones
SO Environmental Management
SO Wastes
DEF (CFR) Facilities or parts of facilities at which hazardous wastes are applied onto or incorporated into the soil surface; such facilities are disposal facilities if the waste will remain after closure.

LANDFILL CELLS
(SWDA; RCRA)
DA October 12, 1990
BT1 Cells
BT1 Land Disposal Units
BT2 Disposal Units
BT3 Corrective Action Management Units
BT4 Sites/Areas
RT Hazardous Waste Management Units
RT Landfills
RT Liners
RT Solid Waste Disposal
SO Environmental Management
DEF (CFR) Sites for disposal of solid waste in which compacted layers are covered with soil. (CFR) Discrete volumes of a hazardous waste landfill that use a liner to provide isolation of wastes from adjacent cells or wastes. Examples of landfill cells are trenches and pits.

LANDFILLS
(EPA)
DA October 12, 1990
BT1 Land Disposal Units
BT2 Disposal Units
BT3 Corrective Action Management Units
BT4 Sites/Areas
NT1 Chemical Waste Landfills
NT1 Sanitary Landfills
NT1 Specially Designated Landfills
RT Caps
RT Land Treatment Facilities
RT Landfill Cells
RT Liners
SO Construction
SO Environmental Management
SO Environmental Protection Agency Glossary
SO Wastes
DEF (EPA) (1) Sanitary landfills are land disposal sites for nonhazardous solid wastes at which the waste is spread in layers, compacted to the smallest practical volume, and cover material applied at the end of each operating day. (2) Secure chemical landfills are disposal sites for hazardous waste. They are selected and designed to minimize the chance of release of hazardous substances into the environment.

LANDLORDS
(DOE Order 4330.4A)
DA June 5, 1991
BT1 Heads of Headquarters Elements
BT2 Personnel
RT Line Organizations
RT Program Senior Officials
SO Management
DEF (DOE Order 4330.4A) Heads of Headquarters Elements with overall capital improvement and common support responsibility for a site; also represents the various Headquarters interests at the site.

LANDSLIDES
(USGS)
DA October 12, 1990
BT1 Ground Failures
BT2 Failures
BT3 Accidents
BT2 Liquefaction
BT3 Processes
BT1 Natural Disasters
BT2 Natural Phenomenon
SO Natural Phenomenon
DEF (USGS) Rock falls, avalanches, or slides as a result of an earthquake.

LANL
DA October 12, 1990
SEE Los Alamos National Laboratory
SO Acronyms

LARGE HIGH VOLTAGE CAPACITORS
(TSCA; CFR)
DA October 19, 1990
BT1 Capacitors
BT2 Electrical Equipment
BT3 Equipment
SO Hazardous Materials
DEF (ESH) Capacitors that contain 1.36 kg (3 lbs.) or more of dielectric fluid and that operate at 2,000 volts (a.c. or d.c.) or above.

LARGE LOW VOLTAGE CAPACITORS
(TSCA; CFR)
DA October 19, 1990
BT1 Capacitors
BT2 Electrical Equipment
BT3 Equipment
SO Hazardous Materials
DEF (ESH) Capacitors that contain 1.36 kg (3 lbs.) or more of dielectric fluid and that operate below 2,000 volts (a.c. or d.c.).

LARGE QUANTITIES
(EMER)
DA February 1, 1991
BT1 Quantities
RT Radioactive Materials
RT Transportation
SO Emergency Preparedness
DEF (EMER) In transportation of radioactive materials, a quantity which exceeds the Type B quantity limits [49 Code of Federal Regulations Part 173.389(b)]. Large quantities are subject to requirements for being carried on highways designated as preferred routes.

LASER
(2400 LASER)
DA January 3, 1991

BT1 Equipment/Parts - Electrical (DOE FRASE Vocabulary)
BT2 Equipment
SO DOE FRASE VOCABULARY

LASER EYE SAFETY DISTANCE
(Doe Order 5480.16)
DA October 12, 1990
RT Multiple Integrated Laser Engagement System
SO Firearms
DEF (DOE Order 5480.16) The minimum distance required to protect the eye from corneal or retinal damage caused by a specific laser beam.

LATERAL FORCE RESISTING SYSTEM
(SEA)
DA October 12, 1990
BT1 Building Frame Systems
BT2 Space Frames
BT3 Structures (DOE FRASE Vocabulary)
BT2 Systems
RT Collectors
SO Construction
DEF (SEA) That part of the structural system assigned to resist lateral forces.

LATERAL SEWERS
(EPA)
DA October 12, 1990
BT1 Sewers
SO Environmental Protection Agency Glossary
DEF (EPA) Pipes that run under city streets and receive the sewage from homes and businesses.

LATERAL SPREADS
(USGS)
DA October 12, 1990
BT1 Ground Failures
BT2 Failures
BT3 Accidents
BT2 Liquefaction
BT3 Processes
SO Natural Phenomenon
DEF (USGS) Lateral movement of large blocks of soil on top of a liquified subsurface layer. These lateral spreads, which break up in numerous fissures and scarps, generally develop on gentle slopes, most commonly on those between 0.3 and 3 degrees. Horizontal movements on lateral spreads commonly are as much as 10 to 15 feet, but, where slopes are favorable and the duration of ground shaking is long, lateral movement may be as much as 100 to 150 feet.

LATEX RESINS
(CAA; CFR)
DA October 12, 1990
BT1 Types of Resin
BT2 Resin Grade
SO Air Pollution
DEF (CFR) Resins that are produced by a polymerization process that initiates from free radical catalyst sites and are sold undried.

LATHE
(2125 LATHE)
DA December 10, 1990
BT1 Machines (DOE FRASE Vocabulary)
BT2 Equipment
SO DOE FRASE VOCABULARY

LAW
DA October 12, 1990
SEE Light Antitank Weapon
SO Acronyms

LAW HAZARD ZONE
(Doe Order 5480.16)
DA October 12, 1990
BT1 Zones
BT2 Sites/Areas
RT Light Antitank Weapon
SO Firearms
DEF (DOE Order 5480.16) The zone at the rear of a light antitank weapon (LAW) or LAW simulator where flame, hot gases, or fragments may be present during discharge of the weapon. The hazard zone is defined as a 30 degree cone truncated at 10 feet wide by 30 feet deep at the rear of the LAW tube.

LAW SIMULATORS
(Doe Order 5480.16)
DA October 12, 1990
BT1 Simulators
BT1 Weapon Simulators
RT Light Antitank Weapon
SO Firearms
DEF (DOE Order 540.16) Weapons that simulate the firing of a light antitank weapon (LAW) and emit a coded laser beam in the direction aimed. The simulators do not fire a projectile but do expel fragments and a hot flash from the rear of the launch tube.

LAWRENCE-ALLISON & ASSOCIATES
DA January 11, 1991
BT1 Companies
BT2 Commercial Organizations
BT3 Organizations
BT1 DOE Contractors
BT2 Potentially Responsible Parties
RT Headquarters Operations

LAWRENCE BERKELEY LABORATORY
DA January 8, 1991
SF *LBL*
BT1 Government-Owned Contractor-Operated Facilities
BT2 Federal Facilities
BT3 Facilities
BT1 Laboratories
BT2 Research and Development Organizations
BT3 Organizations
RT University of California
DEF (Capsule Review of DOE Research and Development and Field Facilities, 1986) LBL was founded in 1931 to advance the development of the cyclotron invented by Ernest Lawrence. Currently, the major roles of LBL are to perform multidisciplinary research in the general and energy sciences; develop and operate unique national experimental facilities; educate and train the next generation of scientists and engineers; and foster productive relationships between LBL research programs and industry.

LAWRENCE LIVERMORE NATIONAL LABORATORY
DA January 11, 1991
BT1 Government-Owned Contractor-Operated Facilities
BT2 Federal Facilities
BT3 Facilities
BT1 Laboratories
BT2 Research and Development Organizations
BT3 Organizations
RT University of California
DEF (Capsule Review of DOE Research and Development and Field Facilities, 1986) LLNL, established in 1952, is a scientific and technical resource for the nation's nuclear weapons program and other programs of national interest. LLNL primary role is to perform the research, development and testing associated with the nuclear design aspects of all phases of the nuclear weapon life cycle and associated national security activities. LLNL has developed expertise in inertial fusion, magnetic fusion, biomedical and environmental research, isotope separation and applied energy technology.

LBL
DA October 12, 1990
SEE Lawrence Berkeley Laboratory
SO Acronyms

lbs/year
DA October 12, 1990
SEE Pounds/year
SO Acronyms

LC
DA October 12, 1990
SEE Locked Closed
SO Acronyms

LC 50
(EPA)
DA October 12, 1990
SY Lethal Concentration
NT1 Subacute Dietary LC 50
SO Environmental Protection Agency Glossary
DEF (EPA) Median level concentration, a standard measure of toxicity. It tells how much of a substance is needed to kill half of a group of experimental organisms at a specific time of observation.

LCO
DA October 12, 1990
SEE Limiting Condition for Operation
SO Acronyms

LD 0
(EPA)
DA October 12, 1990
BT1 Doses
SO Environmental Protection Agency Glossary
DEF (EPA) The highest concentration of a toxic substance at which none of the test organisms die.

LD 50
(EPA)
DA October 12, 1990
SY Lethal Dose
BT1 Doses
NT1 Acute LD 50
NT1 Acute Oral LD 50
SO Environmental Protection Agency Glossary
DEF (EPA) The dose of a toxicant that will kill 50 percent of the test organisms within a designated period of time. The lower the LD 50, the more toxic the compound.

LD L0
(EPA)
DA October 12, 1990
BT1 Doses
BT1 Lethal Dose
SO Environmental Protection Agency Glossary
DEF (EPA) The lowest concentration and dosage of a toxic substance that kills test organisms.

LDR
DA October 12, 1990
SEE Land Disposal Restrictions
SO Acronyms

LEACHATE COLLECTION SYSTEMS
(EPA)
DA October 12, 1990
BT1 Systems
RT Leachates
SO Environmental Protection Agency Glossary
DEF (EPA) System that gather leachate and pump it to the surface for treatment.

LEACHATES
(DOE Order 6430.1A; SWDA; RCRA; ESH)
DA October 12, 1990
NT1 Dissolved Solids
NT1 Suspended Solids
NT2 Settleable Solids
RT Groundwater
RT Leachate Collection Systems
RT Leaching
RT Mixtures
RT Percolation
RT Solutions
SO Construction
SO Environmental Management
SO Environmental Protection Agency Glossary
SO Wastes
DEF (EPA) Liquids that result from water collecting contaminants as it trickles through wastes, agricultural pesticides, or fertilizers. Leaching may occur in farming areas, feedlots, and landfills and may result in hazardous substances entering surface water, groundwater, or soil. (ESH) Liquids that have percolated through solid waste and have extracted dissolved or suspended materials from the wastes.

LEACHING
(EPA)
DA October 12, 1990
BT1 Processes
RT Leachates
RT Soil Column
SO Environmental Protection Agency Glossary
DEF (EPA) The process by which soluble constituents are dissolved and carried down through the soil by a percolating fluid. Leaching may occur in farming areas, feedlots, and landfills and may result in hazardous substances entering surface water, groundwater, or soil.

LEAD
(EPA)
DA October 12, 1990
SF *Pb (Periodic Element)*
BT1 CERCLA Hazardous Substances
BT2 Hazardous Substances
BT1 Criteria Pollutants
BT2 Pollutants
BT1 Hazardous Constituents
BT1 Heavy Metals
SO Environmental Protection Agency Glossary
DEF (EPA) A heavy metal that is hazardous to health if breathed or swallowed. Its use in gasoline, paints, and plumbing compounds has been sharply restricted or eliminated by federal laws and regulations.

LEAD AGENCIES
(CERCLA; CFR; EMER)
DA October 12, 1990
BT1 Federal Agencies
BT2 Agencies
BT3 Administrative Organizations
BT4 Organizations
RT State Agencies
SO Compensation and Liability
SO Environmental Management
DEF (CFR) The Federal agency (or State agency operating pursuant to a contract or cooperative agreement executed pursuant to section 104(d)(1) of CERCLA) that has primary responsibility for coordinating response action under this Plan. A Federal lead agency is the agency that provides the OSC or RPM as specified elsewhere in this Plan. In the case of a State as lead agency, the State shall carry out the same responsibilities delineated for OSCs/RPMs in this Plan (except coordinating and directing Federal agency response actions).

LEAD AUTHORIZED OFFICIALS
(CFR)
DA November 15, 1990
BT1 Authorized Officials
BT2 Personnel
DEF (CFR) A Federal or State official authorized to act on behalf of all affected Federal or State agencies acting as trustees where there are multiple agencies, or an official designated by multiple tribes where there are multiple tribes, affected because of coexisting or contiguous natural resources or concurrent jurisdiction.

LEAD FREE
(SDWA; CFR; USC)
DA October 12, 1990
RT Drinking Water Coolers
SO Water Pollution
DEF (USC) That each part of a drinking water cooler or component of the cooler which may come in contact with drinking water contains not more than 8 percent lead, except that no drinking water cooler that contains any solder, flux, or storage tank interior surface that may come in contact with drinking water shall be considered lead free if the solder, flux, or storage tank interior surface contains more than 0.2 percent lead. More stringent requirements for treating any part or component of a drinking water cooler as lead free may be established whenever it is

determined that any such part may constitute an important source of lead in drinking water.

LEAD MATTES
(CAA; CFR)
DA October 12, 1990
RT Copper Converters
RT Copper Mattes
SO Air Pollution
DEF (CFR) Any molten solutions of copper and other metal sulfides produced by reduction of sinter product from the oxidation of lead sulfide ore concentrates.

LEADER SEATER
(NFI)
DA October 12, 1990
BT1 Tools (DOE FRASE Vocabulary)
BT2 Equipment
SO Nuclear Facilities Incident Database
DEF (NFI) Tool used to check position of instrument rods in the reactor lattice; contains device to confirm seating.

LEAK DETECTION SYSTEMS
(SWDA; RCRA; CFR; ESH)
DA October 12, 1990
BT1 Systems
NT1 Beetles
NT1 Leak Detector
RT Containment
RT Detection
RT Leaks
RT Releases
SO Environmental Management
SO Wastes
DEF (ESH) Systems that can detect the failure of either the primary or secondary containment structure or the presence of a release of hazardous waste or accumulated liquid in the secondary containment structure. Such systems must use operational controls (for example, daily visual inspections for releases into the secondary containment system or aboveground tanks) or consist of an interstitial monitoring device designed to detect continuously and automatically the failure of the primary or secondary containment structure or the presence of a release of hazardous waste into the secondary containment structure.

LEAK DETECTOR
(2759 LEAK DETECTO)
DA January 3, 1991
BT1 Leak Detection Systems
BT2 Systems
BT1 Testing Equipment
BT2 Instrument(s)
BT3 Equipment/Parts - Instrumentation/Measuring (DOE FRASE Voc.)
BT4 Equipment
RT Environmental Release
SO DOE FRASE VOCABULARY

LEAKS
(CAA; TSCA; CFR; ESH; ASMT)
DA October 12, 1990
SY Spills
RT Concrete Encasement
RT Hazards
RT Leak Detection Systems
RT Management of Migrations
RT Releases
RT Spills
SO Air Pollution
SO Hazardous Materials
DEF (ASTM) Holes or voids in the wall of an enclosure, capable of passing liquid or gas from one side of the wall to the other under action of pressure or concentration differential existing across the wall, independent of the quantity of fluid flowing.

LEG(S)
(1121 LEGP)
DA November 28, 1990
BT1 Human Body Parts
NT1 Lower Leg
NT1 Thigh(s)
RT Ankle(s)
RT Foot/Feet
RT Knee(s)
RT Leggings
SO DOE FRASE VOCABULARY

LEGAL DEFENSE COSTS
(SWDA; RCRA; CFR)
DA October 19, 1990
BT1 Costs
RT Liabilities
SO Wastes
DEF (CFR) Any expenses that an insurer incurs in defending against claims of third parties brought under the terms and conditions of an insurance policy.

LEGGINGS
(2672 LEGGINGS)
DA January 3, 1991
BT1 Personal Protective Equipment
BT2 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)
BT3 Equipment
RT Knee(s)
RT Leg(s)
RT Lower Leg
RT Thigh(s)
SO DOE FRASE VOCABULARY

LEGIONELLA
(SDWA; CFR)
DA October 12, 1990
BT1 Bacteria
BT2 Microorganisms
BT3 Organisms
SO Water Pollution
DEF (CFR) A genus of bacteria, some species of which have caused a type of pneumonia called Legionnaires Disease.

LEGM
DA October 12, 1990
SEE Low Energy Gamma Monitor
SO Acronyms

LEHR
DA October 12, 1990
SEE Laboratory for Energy-Related Health Research
SO Acronyms

LEL
DA October 12, 1990
SEE Lower Explosive Limit
SO Acronyms

LENS OF EYE DOSE EQUIVALENTS
(DOE Order 5480.11)
DA October 16, 1990
BT1 Dose Equivalents
BT2 Radiation Units
BT3 Units of Measure
SO Industrial Hygiene
DEF (DOE Order 5480.11) The dose equivalent at the respective depths of 0.007 cm, 1.0 cm, and 0.3 cm in tissue.

LEPC
DA October 12, 1990
SEE Local Emergency Planning Committees
SO Acronyms

LER
DA October 12, 1990
SEE Licensee Event Report
SO Acronyms

LESS THAN ADEQUATE
(SSDC)
DA October 12, 1990
SF *LTA*
RT Analytical (Logic) Trees
SO System Safety Development Center Glossary
DEF (SSDC) Does not meet minimum requirements. Used in MORT and other analytical tree logic to indicate areas of increased risk.

LET
DA October 12, 1990
SEE Linear Energy Transfer
SO Acronyms

LETHAL CONCENTRATION
(EPA)
DA January 10, 1991
SY LC 50

NT1 Subacute Dietary LC 50
RT Lethal Dose
RT Toxicity
SO Environmental Protection Agency Glossary
DEF (EPA) Median Level concentration, a standard measure of toxicity. It tells how much of a substance is needed to kill half of a group of experimental organisms at a specific time of observation. (See LD 50)

LETHAL CONCENTRATION LOW
(EMER)
DA February 1, 1991
RT Exposure
RT Hazardous Chemicals
SO Emergency Preparedness
DEF (EMER) The lowest concentration of a chemical at which some test animals die following inhalation exposure.

LETHAL DOSE
(EPA)
DA January 10, 1991
SY LD 50
NT1 Acute Oral LD 50
NT1 LD L0
RT Lethal Concentration
SO Environmental Protection Agency Glossary
DEF The dose of a toxicant that will kill 50 percent of the test organisms within a designated period of time. The lower the LD 50, the more toxic the compound.

LETHAL DOSE LOW
(EMER)
DA February 1, 1991
BT1 Doses
RT Exposure
RT Hazardous Chemicals
SO Emergency Preparedness
DEF (EMER) The lowest dose of chemical at which some test animals die following exposure.

LETHAL DOSE OF RADIATION
(EMER)
DA February 1, 1991
BT1 Ionizing Radiation
BT2 Radiation
RT Exposure
SO Emergency Preparedness
DEF (EMER) The amount of ionizing radiation exposure required to cause death. A brief (within four days) whole body gamma exposure of 600 roentgens would be a lethal dose for most people.

LETTER OF PERMISSION
(CWA; RHA; CFR)
DA October 12, 1990
BT1 Permits
SO Water Pollution
DEF (CFR) A type of individual permit issued in accordance with the abbreviated procedures of 33 CFR 325.2(e).

LEVEL 1 COMPLIANCE
(ESH)
DA November 19, 1990
BT1 Compliance Considerations
RT Level 1 Potential Hazards
SO Standards
DEF (ESH) Does not comply with mandatory DOE requirement (DOE Orders), prescribed policies and standards, and documented accepted practice (the latter is a professional judgement based on the acceptance and applicability of national concensus standards not prescribed by DOE requirements).

LEVEL 1 POTENTIAL HAZARDS
(ESH)
DA October 12, 1990
BT1 Potential Hazards
BT2 Hazards
BT3 Conditions
RT Level 1 Compliance
DEF (ESH) Have the potential for causing a severe injury or fatality, potentially fatal occupational illness, or loss of the facility.

LEVEL 2 COMPLIANCE
(ESH)
DA November 19, 1990
BT1 Compliance Considerations
RT Level 2 Potential Hazards
SO Standards
DEF (ESH) Does not comply with recommended DOE references, standards, guidance, or with good practice (as derived from industry experience, but not based on national concensus standards).

LEVEL 2 POTENTIAL HAZARDS
(ESH)
DA October 12, 1990
BT1 Potential Hazards
BT2 Hazards
BT3 Conditions
RT Level 2 Compliance
DEF (ESH) Has the potential for causing minor injury, minor occupational illness, major property damage, or has the potential for resulting in or contributing to unnecessary exposure to radiation toxic substances.

LEVEL 3 COMPLIANCE
(ESH)
DA November 19, 1990
BT1 Compliance Considerations
RT Level 3 Potential Hazards
SO Standards
DEF (ESH) Has little or no compliance consideration; these concerns are based on professional judgement in pursuit of excellence in design or practice (i.e., these are improvements for their own sake, not deficiency-driven).

LEVEL 3 POTENTIAL HAZARDS
(ESH)
DA October 12, 1990
BT1 Potential Hazards
BT2 Hazards
BT3 Conditions
RT Level 3 Compliance
DEF (ESH) Has little potential for threatening safety, health, or property.

LEVEL ALARM
(2760 LEVEL ALARM)
DA January 3, 1991
BT1 Alarms
BT2 Devices
BT1 Instrument(s)
BT2 Equipment/Parts - Instrumentation/Measuring (DOE FRASE Voc.)
BT3 Equipment
SO DOE FRASE VOCABULARY

LEVEL OF CONCERN
(EPA; EMER)
DA January 8, 1991
SF *LOC*
RT Exposure
SO Emergency Preparedness
DEF (EMER) The concentration of an extremely hazardous substance in the air above which there may be serious irreversible health effects or death as a result of a single exposure for a relatively short period of time.

LIABILITIES
(SWDA; RCRA; CFR)
DA October 12, 1990
NT1 Contingent Liability
NT1 Contractual Liability
NT1 Current Liabilities
NT1 Pollution Liability
NT1 Product Liability
RT Assets
RT Compensation and Liability
RT Insurance
RT Legal Defense Costs
RT Net Worth
SO Wastes
SO Water Pollution
DEF (CFR) Liabilities are probable future sacrifices of economic benefits arising from present obligations to transfer assets or provide services to other entities in the future as a result of past transactions or events.

LIAISON OFFICERS
(EMER)

DA February 1, 1991
BT1 Personnel
SO Emergency Preparedness
DEF (EMER) Federal agency officials sent to another agency or another emergency response facility to facilitate interagency communications and coordination.

LICENSE APPLICANTS
(USC)
DA October 19, 1990
SY Permit Applicants
SO Endangered Species
DEF (USC) When used with respect to an action of a Federal agency for which exemption is sought under section 7 [16 USCS 1536], any person whose application to such agency for a permit or license has been denied primarily because of the application of section 7(a) [16 USCS 1536(a)] to such agency action.

LICENSED MATERIALS
(AEA, CFR)
DA January 29, 1991
BT1 Materials
NT1 Source Materials
NT1 Special Nuclear Materials
NT2 Special Nuclear Material Scrap
NT2 Special Nuclear Material of Low Strategic Significance
NT2 Strategic Special Nuclear Materials
DEF (CFR) Source material, special nuclear material or by-product material received, possessed, used, or transferred under a general or specific license issued by the Atomic Energy Commission pursuant to regulations of the Atomic Energy Act.

LICENSED SITES
(CAA; CFR)
DA November 15, 1990
BT1 Sites/Areas
RT Nuclear Regulatory Commission
RT Uranium By-Product Materials
DEF (CFR) Areas contained within the boundary of a location under the control of persons generating or storing uranium byproduct materials under a license issued by the Commission. These include such areas licensed by Agreement States, i.e., those States that have entered into an effective agreement under section 274(b) of the Atomic Energy Act of 1954, as amended.

LICENSEE EVENT REPORT
DA January 8, 1991
SF *LER*
BT1 Reports
RT Events

LICENSES
(CFR, USC, et. al.; EMER)
DA January 29, 1991
NT1 Approvals Necessary to Begin Physical Construction
NT1 Nuclear By-product Material License
RT Requirements
SO Emergency Preparedness
SO Environmental Management
DEF (AEA) Licenses issued under appropriate regulations, including licenses to operate production or utilization facilities, licenses to possess power reactor spent fuel in an independent spent fuel storage installation, etc.

LIFE CYCLE COSTS
(DOE Order 6430.1A)
DA October 12, 1990
BT1 Costs
SO Construction
DEF (DOE Order 6430.1A) All costs except the cost of personnel occupying the facility incurred from the time that space requirement is defined until that facility passes out of the government's hands.

LIFE CYCLE PLANS
(DOE Order 4330.4A)
DA June 5, 1991
BT1 Plans
RT Functional Units
DEF (DOE Order 4330.4A) Present an analysis and description of the major events and activities in the life of a functional unit from planning through decommissioning and site restoration. The plan documents the history of the functional unit and forecasts future activities, including major line item and expense projects and their duration, relationships, and impact on life expectancy. The plan also describes maintenance practices and costs.

LIFT BUCKET
(2331 LIFT BUCKET)
DA December 10, 1990
BT1 Hoisting Apparatus
BT2 Material Handling Device
BT3 Devices
BT3 Equipment/Parts - Material Handling (DOE FRASE Vocabulary)
BT4 Equipment
SO DOE FRASE VOCABULARY

LIFTING STATION
(EPA)
DA October 12, 1990
BT1 Devices
RT Hydraulic Lift Tanks
SO Environmental Protection Agency Glossary
DEF (EPA) Mechanical device installed in sewer or water system or other liquid-carrying pipeline that moves the liquid to a higher level.

LIFTS
(EPA)
DA October 12, 1990
RT Sanitary Landfills
SO Environmental Protection Agency Glossary
DEF (EPA) In a sanitary landfill, a compacted layer of solid waste and the top layer of cover material.

LIGHT(S)
(2401 LIGHT;N)
DA January 3, 1991
BT1 Equipment/Parts - Electrical (DOE FRASE Vocabulary)
BT2 Equipment
SO DOE FRASE VOCABULARY

LIGHT ANTITANK WEAPON
(Doe Order 5480.16)
DA October 12, 1990
SF *LAW*
BT1 Firearms
RT Hangfires
RT Law Hazard Zone
RT Law Simulators
SO Firearms
DEF (DOE Order 5480.16) A portable, shoulder-fired, recoilless weapon capable of launching explosive projectiles.

LIGHT WATER REACTOR
DA January 8, 1991
SF *LWR*
BT1 Reactors
DEF (NRC Glossary of Terms: Nuclear Power and Radiation) A term used to designate reactors using ordinary water as coolant, including boiling water reactors and pressurized water reactors, the most common types used in the United States.

LIMESTONE SCRUBBING
(EPA)
DA October 12, 1990
BT1 Pollution Recovery Processes
BT2 Processes
RT Scrubbers
SO Environmental Protection Agency Glossary
DEF (EPA) Process in which sulfur gases moving toward a smokestack are passed through a limestone and water solution to remove sulfur before it reaches the atmosphere.

LIMITED AREAS
(DOE Order 6430.1A)

DA October 12, 1990
BT1 Security Areas
BT2 Sites/Areas
SO Construction
DEF (DOE Order 6430.1A) Security areas for the protection of classified matter where guards, security inspectors, or other internal controls can prevent access by unauthorized persons to classified matter.

LIMITED QUANTITY
(SWDA; RCRA; ESH)
DA October 12, 1990
BT1 Quantities
RT Exceptions
SO Hazardous Materials
DEF (CFR) The maximum amount of hazardous material for which there is a specific labeling and packaging exception, when specified as such in a section applicable to a particular material, with the exception of Poison B materials.

LIMITED RESPONSES
(EMER)
DA February 1, 1991
BT1 Responses
SO Emergency Preparedness
DEF (EMER) Responses to a request for radiological assistance that involves limited U.S. Department of Energy or other agency resources and does not require the formal field management structure.

LIMITING CONDITION FOR OPERATION
DA January 8, 1991
SF *LCO*
BT1 Conditions

LIMITING FACTORS
(EPA)
DA October 12, 1990
BT1 Conditions
SO Environmental Protection Agency Glossary
DEF (EPA) A condition, whose absence, or excessive concentration, is incompatible with the needs or tolerance of a species or population and which may have a negative influence on their ability to grow or even survive.

LIMITS
(IAEA)
DA October 12, 1990
NT1 Alternate Concentration Limits
NT1 Authorized Limits
NT1 Categorical Pretreatment Standards
NT1 Channel Effluent Limit
NT1 Computer Inoperative Limits
NT1 Confinement Protection Limits
NT1 Contract-Required Quantitation Limits
NT1 Derived Limits
NT1 Detection Limits
NT2 Environmental Detection Limits
NT2 Lower Limit of Detection
NT1 Dose Limit
NT2 Annual Dose Equivalent Limit
NT1 Effluent Limitations
NT1 Emission Limitation
NT1 Lower Explosive Limit
NT1 Maximum Concentration Limits
NT1 Method Quantification Limits
NT1 MQL
NT1 Operational (Radiation) Limits
NT1 Operating Limit
NT1 Permissible Exposure Limits
NT1 Prescribed Limits
NT1 Primary Limits
NT1 Published Exposure Levels
NT1 Quantitation Limit
NT1 Safety Limits
NT1 Secondary Limits
NT1 Shaft Break Limit
NT1 Short-Term Exposure Limit
NT1 Tolerance Limits
NT1 Total Indicated Runout
NT1 Transient Protection Limit
RT Radiation Protection
SO Radiation
DEF (IAEA) The values of a quantity that must not be exceeded. Limits in radiation protection are as follows: primary, secondary, derived, authorized, and operational.

LIMNOLOGY
(EPA)
DA October 12, 1990
RT Aquatic Environment
RT Fresh Water
RT Lakes
SO Environmental Protection Agency Glossary
DEF (EPA) The study of the physical, chemical, meteorological, and biological aspects of fresh water.

LINE MANAGEMENT
(SSDC)
DA October 12, 1990
BT1 Management
RT Line Organizations
SO System Safety Development Center Glossary
DEF (SSDC) Those management positions whose responsibility is the accomplishment of the organization's primary mission(s), as distinguished from staff organization which supports the organization's primary mission(s).

LINE OF BALANCE
(SSDC)
DA October 12, 1990
RT Frequency/Severity
SO System Safety Development Center Glossary
DEF (SSDC) A 45° line indicating the norm in accident frequency/severity plotting on log-log paper. Deviations from the line of balance will provide important clues to future risk.

LINE ORGANIZATIONS
(DOE Orders 5480.1B, 5481.1B and 5482.1B; ESH)
DA October 12, 1990
BT1 Organizations
RT Field Organizations
RT Heads of Headquarters Elements
RT Landlords
RT Line Management
RT Program Secretarial Officers
RT Program Senior Officials
RT Second Line Organization Level
RT Staff Organization
SO Construction
SO Industrial Hygiene
SO Management
SO Standards
SO System Safety Development Center Glossary
DEF (DOE Orders 5480.1b; 5481.1b; 5482.1b) That unbroken chain of command which extends from the Secretary through the Under Secretary, to the Program Senior Officials (PSO) who set program policy and plans and develop assigned programs, to the field organization managers who are responsible to the PSO for execution of these programs, to the contractors who conduct the programs. Environment, safety, and health are integral parts of each program. Accordingly, line management responsibility for ES&H functions flows from the Secretary through the Under Secretary, to the PSO, to the field organization managers, to the contractors. (SSDC) The organization within a company or project responsible for accomplishing the primary goals.

LINEAR ENERGY TRANSFER
(IAEA)
DA October 12, 1990
SF *LET*
BT1 Measurements
RT Energy Flow
RT Ionization
SO Radiation
DEF (IAEA) Of charged particles in a medium, the quotient of dE by dl, where dE is the energy lost by a charged particle in transversing a distance dl as a result of those collisions with electrons in which the energy loss is less than some specified value.

LINERS
(SWDA; RCRA; CFR; ESH)
DA October 12, 1990

BT1 Barriers
RT Containment
RT Inner Liners
RT Landfill Cells
RT Landfills
RT Surface Impoundment
SO Environmental Management
SO Environmental Protection Agency Glossary
SO Wastes
DEF (CFR) (1) Relatively impermeable barriers designed to prevent leachate from leaking from a landfill. Liner materials include plastic and dense clay. (2) Inserts or sleeves for sewer pipes to prevent leakage or infiltration. (ESH) Continuous layer of natural or man-made materials, beneath or on the sides of a surface impoundment, landfill, or landfill cell, that restricts the downward or lateral escape of hazardous waste, hazardous waste constituents, or leachate.

LIP(S)
DA November 28, 1990
BT1 Face
BT2 Head
BT3 Human Body Parts
RT Mouth
SO DOE FRASE VOCABULARY

LIPID SOLUBILITY
(EPA)
DA October 12, 1990
SO Environmental Protection Agency Glossary
DEF (EPA) The maximum concentration of a chemical that will dissolve in fatty substances; lipid soluble substances are insoluble in water. If a substance is lipid soluble it will very selectively disperse through the environment via living tissue.

LIQUEFACTION
(USGS)
DA October 12, 1990
BT1 Processes
NT1 Ground Failures
NT2 Differential Settlement
NT2 Flow Failures
NT2 Landslides
NT2 Lateral Spreads
RT Catastrophic Collapses
SO Environmental Protection Agency Glossary
SO Natural Phenomenon
DEF (USGS) When seismic shear waves pass through a saturated granular soil layer, distorting its granular structure, this distortion causes some of the void spaces to collapse. Disruptions to the soil generated by these collapses cause transfer of the ground shaking load from grain-to-grain contacts to the pore water. This transfer of load increases pressure in the pore water, either causing drainage or, if drainage is restricted, a sudden buildup of pore-water pressures. When pore-water pressures reach a critical level (grain-to-grain stresses approach zero), the granular material suddenly behaves as a liquid rather than as a solid.

LIQUEFIED COMPRESSED GASES
DA June 3, 1991
BT1 Compressed Gases
BT2 Gases
SO Hazardous Materials
DEF Gases which, under the charged pressure, are partially liquid at a temperature of 70 degrees F.

LIQUID TRAPS
(SWDA; RCRA; ESA; CFR)
DA October 12, 1990
NT1 Sumps
SO Wastes
DEF (CFR) Sumps, well cellars, and other traps used in association with oil and gas production, gathering, and extraction operations (including gas production plants), for the purpose of collecting oil, water, and other liquids. These liquid traps may temporarily collect liquids for subsequent disposition or reinjection into a production or pipeline stream, or may collect and separate liquids from a gas stream.

LIQUIDS
(SWDA; RCRA; CFR; ESH)
DA October 12, 1990
BT1 Fluids
NT1 Combustible Liquids
NT1 Cryogenic Liquids
NT1 Flammable Liquids
NT1 Free Liquids
NT1 Free Products
NT1 Influents
NT1 Natural Gas Liquids
NT1 Pyrophoric Liquids
NT1 Viscous Liquids
SO Hazardous Materials
DEF (CFR) Material that has a vertical flow of over 2 inches (50 mm) within a three-minute period, or a material having one gram (1 g) or more liquid separation, when determined in accordance with the procedures specified in ASTM D 4359-84, Standard Test Method for Determining Whether a Material is a Liquid or Solid, 1984 edition.

LIST
(EPA; ESA)
DA October 12, 1990
SO Endangered Species
SO Environmental Protection Agency Glossary
DEF (EPA) Shorthand term for EPA list of violating facilities or lists of firms debarred from obtaining government contracts because they violated certain sections of the Clean Air or Clean Water Acts. The list is maintained by the Office of Enforcement and Compliance Monitoring. (ESA) The list of Endangered and Threatened Wildlife and Plants as found in federal regulations.

LISTED HAZARDOUS SUBSTANCES
(CERCLA)
DA October 12, 1990
SY CERCLA Hazardous Substances
BT1 Hazardous Substances
RT Chemical Substances
RT Extremely Hazardous Substances
RT Regulated Substances
RT Toxic Substances
SO Compensation and Liability
DEF (CFR) The elements and compounds and hazardous wastes appearing in Table 302.4 (40 CFR 302.4) are designated as hazardous substances under section 102(a) of the act.

LISTED SPECIES
(ESA; CFR)
DA October 12, 1990
BT1 Endangered Species
BT2 Species
RT Biological Assessments
RT Biological Opinion
RT Recovery
SO Endangered Species
DEF (CFR) Any species of fish, wildlife, or plant which has been determined to be endangered or threatened under section 4 of the Act. Listed species are found in 50 CFR 17.11-17.12.

LISTED WASTES
(EPA)
DA October 12, 1990
BT1 Hazardous Wastes
BT2 Hazardous Materials
BT3 Materials
BT2 Wastes
SO Environmental Protection Agency Glossary
DEF (EPA) Wastes listed as hazardous under RCRA but which have not been subjected to the Toxic Characteristics Listing Process because the dangers they present are considered self-evident.

LITHOLOGY
(SDWA; CFR)
DA October 12, 1990
RT Formations

SO Water Pollution
DEF (CFR) The study of rocks on the basis of their physical and chemical characteristics.

LITHOSPHERE
(ANL: CFR)
DA May 24, 1991
RT Atmosphere
RT Environment
SO Environmental Management
SO Wastes
DEF (CFR) The solid part of the Earth below the surface, including any ground water contained within it.

LIVE LOADS
(DOE Order 6430.1A)
DA October 12, 1990
RT Dead Loads
SO Construction
DEF (DOE Order 6430.1A) A moving load or a load of variable force acting on a structure, in addition to its own weight.

LIVE ROUND EXCLUDERS
(Doe Order 5480.16Definitions)
DA October 12, 1990
BT1 Devices
RT Blank Ammunition
RT Firearms
SO Firearms
DEF (DOE Order 5480.16) Obstructive devices mounted in the cylinder of an Engagement Simulation System (ESS) revolver or the breech of other ESS weapons, permitting chambering and firing of blank ammunition but preventing chambering of a live round.

LLD
DA October 12, 1990
SEE Lower Limit of Detection
SO Acronyms

LLRW
DA October 12, 1990
SEE Low Level Radioactive Wastes
SO Acronyms

LLW
DA October 12, 1990
SEE Low Level Wastes
SO Acronyms
SO Construction
SO Environmental Protection Agency Glossary

LLWDDD
DA October 12, 1990
SEE Low Level Waste Disposal Development Demonstration
SO Acronyms

LNP
DA October 12, 1990
SEE Loss of Normal Power
SO Acronyms

LO
DA October 12, 1990
SEE Locked Open
SO Acronyms

LOAD FACTOR
(DOE Order 6430.1A)
DA October 12, 1990
NT1 Capacity Factor
RT Structural Members
SO Construction
DEF (DOE Order 6430.1A) The strength-to-service-load ratio.

LOAD SECURING DEVICE
(2332 LOAD SECURIN)
DA December 11, 1990
BT1 Devices
BT1 Equipment/Parts - Material Handling (DOE FRASE Vocabulary)
BT2 Equipment
RT Barriers
RT Controls
SO DOE FRASE VOCABULARY

LOADING
DA January 24, 1991
BT1 Ratios
NT1 Grain Loading
NT1 Particulate Loading
RT Biomass
DEF (CFR) The ratio of the biomass of gammarids (grams, wet weight) to the volume (liters) of test solution in either a test chamber or passing through it in a 24-hour period.

LOADING DOCK
(1855 LOADING DOCK)
DA December 10, 1990
BT1 Structures (DOE FRASE Vocabulary)
SO DOE FRASE VOCABULARY

LOBBY
(1707 LOBBY)
DA December 10, 1990
BT1 Site (DOE FRASE Vocabulary)
BT2 Sites/Areas
SO DOE FRASE VOCABULARY

LOC
DA October 12, 1990
SEE Level of Concern
SO Acronyms

LOCA
DA October 12, 1990
SEE Loss of Coolant Accident
SO Acronyms

LOCAL AGENCIES
(CAA; CFR)
DA October 12, 1990
BT1 Agencies
BT2 Administrative Organizations
BT3 Organizations
NT1 Implementing Agencies
NT1 Intermunicipal Agencies
NT1 Local Governments
NT1 Local Educational Agencies
SO Air Pollution
DEF (CFR) Any local government agencies other than the State agencies, which are charged with responsibility for carrying out a portion of a plan or program.

LOCAL EDUCATIONAL AGENCIES
(TSCA; USC)
DA October 19, 1990
BT1 Local Agencies
BT2 Agencies
BT3 Administrative Organizations
BT4 Organizations
SO Hazardous Materials
SO Water Pollution
DEF (USC) (A) Any local educational agency as defined in section 198 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 3381), (B) the owner of any private, nonprofit elementary or secondary school building, and (C) the governing authority of any school operated under the defense dependents' education system provided for under the Defense Dependents' Education Act of 1978 (20 U.S.C. 921 et seq.).

LOCAL EMERGENCY PLANNING COMMITTEES
(EPA; EMER)
DA October 12, 1990
SF *LEPC*
BT1 Committees
BT2 Administrative Organizations
BT3 Organizations
SO Emergency Preparedness
SO Environmental Protection Agency Glossary
DEF (EPA) A committee appointed by the state emergency response commission, as required by SARA (Superfund Amendments and Reauthorization Act) Title III to formulate a comprehensive emergency plan for its jurisdiction.

LOCAL GOVERNMENTS
(EMER)
DA February 1, 1991
BT1 Local Agencies
BT2 Agencies
BT3 Administrative Organizations
BT4 Organizations
SO Emergency Preparedness
DEF (EMER) Any county, city, village, town, district, or political subdivisions of any state, Indian tribe or authorized tribal organization, or Alaska native village or organization, including

any rural community or unincorporated town or village or any other public entity.

LOCAL MAGNITUDE (M_L)
(USGS)
DA October 12, 1990
SY Body Wave Magnitude
SY Richter Magnitude (M_L)
SF M_L
BT1 Measurements
RT Earthquake Magnitude
SO Natural Phenomenon
DEF (USGS) The logarithm, to the base 10, of the amplitude in micrometers of the maximum amplitude of seismic waves that would be observed on a standard torsion seismograph at a distance of about 60 miles from the epicenter.

LOCKED CLOSED
DA January 8, 1991
SF *LC*

LOCKED OPEN
DA January 8, 1991
SF *LO*

LOCKER/SHOWER ROOM
(1708 LOCKER ROOM)
DA December 10, 1990
BT1 Room
BT2 Sites/Areas
SO DOE FRASE VOCABULARY

LOCV
DA October 12, 1990
SEE Loss of Condenser Vacuum
SO Acronyms

LOG N CHANNEL
(2577 LOG N CHANNE)
DA January 3, 1991
BT1 Equipment/Parts - Nuclear (DOE FRASE Vocabulary)
BT2 Equipment
BT2 Reactor Components
SO DOE FRASE VOCABULARY

LOG N RECORDER
(2761 LOG N RECORD)
DA January 3, 1991
BT1 Instrument(s)
BT2 Equipment/Parts - Instrumentation/Measuring (DOE FRASE Voc.)
BT3 Equipment
SO DOE FRASE VOCABULARY

LOGIC GATES
(SSDC)
DA October 12, 1990
NT1 Conditional AND gate
NT1 Conditional OR Gate
NT1 Summation Gates
RT Analytical (Logic) Trees
RT Constraints
SO System Safety Development Center Glossary
DEF (SSDC) Using analytical trees, logic gates are symbols connecting an event with the next lower tier or level on the tree. Gates indicate what contribution is required from lower events to cause the top event.

LOGIC GATES (BOOLEAN)
(SSDC)
DA October 12, 1990
NT1 AND gate
NT1 Conditional AND gate
NT1 Conditional OR Gate
NT1 OR gate
NT1 Summation Gates
RT Constraints
SO System Safety Development Center Glossary

LOGIC TREES
(SSDC)
DA October 12, 1990
SY Analytical (Logic) Trees
BT1 Diagrams
SO System Safety Development Center Glossary
DEF (SSDC) Diagrams, in the shape of a tree, using different geometrical symbols to aid a user in systematically portraying information in a logical sequence and showing relationships between elements of the tree. Trees may be positive or negative (fault tree).

LOGICAL CORRELATES
(SSDC)
DA October 12, 1990
RT Empirical Correlates
SO System Safety Development Center Glossary
DEF (SSDC) Those performance indices and factors which correlate with ES&H performance in a logical manner. (See Empirical Correlates).

LONG PLENUM PLUGS
DA January 8, 1991
SF *LPP*

LONG TERM CONTRACTS
(SWDA; RCRA; USC)
DA October 12, 1990
RT Solid Waste Management
RT Substantial Business Relationships
SO Wastes
DEF (USC) When used in relation to solid waste supply, contracts of sufficient duration to assure the viability of a resource recovery facility (to the extent that such viability depends upon solid waste supply).

LOOP
DA October 12, 1990
SEE Loss of Offsite Power
SO Acronyms

LOP
DA October 12, 1990
SEE Loss of Offsite Power
SO Acronyms

LOS ALAMOS NATIONAL LABORATORY
DA January 8, 1991
SF *LANL*
BT1 Government-Owned Contractor-Operated Facilities
BT2 Federal Facilities
BT3 Facilities
BT1 Laboratories
BT2 Research and Development Organizations
BT3 Organizations
RT University of California
DEF (Capsule Review of DOE Research and Development and Field Facilities, 1986) LANL was established in 1943 as part of the Manhattan Engineer District during World War II to develop the world's first nuclear weapons. Currently, LANL's primary mission is the application of science and technology to problems of national security, including the maintenance of a strong defense, the fulfillment of arms control commitments and the guarantee of a secure energy supply for the future. LANL also undertakes multidisciplinary fundamental and applied research.

LOSP
DA October 12, 1990
SEE Loss of Offsite Power
SO Acronyms

LOSS CONTROL MANAGEMENT
(SSDC)
DA October 12, 1990
BT1 Management
SO System Safety Development Center Glossary
DEF (SSDC) The application of professional management techniques and skills to those program activities – risk avoidance, loss prevention and loss reduction – specifically intended to minimize losses involved with undesired events resulting from the pure (nonspeculative) risks of business.

LOSS OF CONDENSER VACUUM
DA January 8, 1991
SF *LOCV*
BT1 Injuries
BT1 Losses

LOSS OF CONSCIOUSNESS
(1331 LOSS OF CONS)
DA November 28, 1990
BT1 Injuries
BT1 Losses
RT Concussion
RT Contusion(S)
SO DOE FRASE VOCABULARY

LOSS OF COOLANT ACCIDENT
DA January 8, 1991
SF *LOCA*
BT1 Accidents
BT1 Losses
NT1 Small Break LOCA

LOSS OF EXPERIMENT
(1547 LOSS OF EXPE)
DA November 29, 1990
BT1 Losses
BT1 Nature of Property Damage
SO DOE FRASE VOCABULARY

LOSS OF INSTRUMENT AIR
(1548 LOSS OF INST)
DA November 29, 1990
BT1 Losses
BT1 Nature of Property Damage
SO DOE FRASE VOCABULARY

LOSS OF MATERIAL
(1533 LOSS OF MATE)
DA November 29, 1990
BT1 Losses
BT1 Nature of Property Damage
SO DOE FRASE VOCABULARY

LOSS OF NORMAL POWER
DA January 8, 1991
SF *LNP*
BT1 Losses

LOSS OF OFFSITE POWER
DA January 8, 1991
SF *LOOP*
SF *LOP*
SF *LOSP*
BT1 Losses

LOSS OF OPERATING TIME
(1578 LOSS OF OPER)
DA November 28, 1990
BT1 Losses
BT1 Nature of Programmatic Impact
BT1 Time Designations
SO DOE FRASE VOCABULARY

LOSS OF PRODUCTION
(1579 LOSS OF PROD)
DA November 28, 1990
BT1 Losses
BT1 Nature of Programmatic Impact
SO DOE FRASE VOCABULARY

LOSS OF SPECIMEN
(1551 LOSS OF SPEC)
DA November 29, 1990
BT1 Losses
BT1 Nature of Property Damage
SO DOE FRASE VOCABULARY

LOSS OF TARGET ACCIDENT
DA January 8, 1991
SF *LOTA*
BT1 Accidents
BT1 Losses

LOSS OF TRANSMISSION
(1552 LOSS OF TRAN)
DA November 29, 1990
BT1 Losses
BT1 Nature of Property Damage
SO DOE FRASE VOCABULARY

LOSS RATIO
(SSDC)
DA October 12, 1990
BT1 Ratios
RT Consequential Losses
RT Incurred Losses
SO System Safety Development Center Glossary
DEF (SSDC) Used in insurance. A ratio calculated by dividing the amount of loss(es) by the amount of the premium(s). Normally expressed as a percentage of the premiums.

LOSSES
(CFR)
DA November 15, 1990
NT1 Consequential Losses
NT1 Incurred Losses
NT1 Loss of Transmission
NT1 Loss of Consciousness
NT1 Loss of Operating Time
NT1 Loss of Production
NT1 Loss of Material
NT1 Loss of Specimen
NT1 Loss of Instrument Air
NT1 Loss of Experiment
NT1 Loss of Normal Power
NT1 Loss of Coolant Accident
NT2 Small Break LOCA
NT1 Loss of Condenser Vacuum
NT1 Loss of Offsite Power
NT1 Loss of Target Accident
NT1 Lost Workday Cases
NT1 Maximum Credible Loss
NT1 Maximum Foreseeable Loss
NT1 Maximum Probable Loss
NT1 Maximum Possible Loss
NT2 Maximum Possible Fire Loss
NT1 Mean Annual Loss
NT1 Power Losses
NT1 Property Loss
NT1 Reactor Opening Loss
NT1 Significant Economic Loss
DEF (CFR) Measurable adverse reductions of chemical or physical qualities or viabilities of natural resources.

LOST WORKDAY CASES
DA January 8, 1991
SF *LWC*
BT1 Losses
RT Incidence Rate, Lost Workday Cases (LWC)

LOTA
DA October 12, 1990
SEE Loss of Target Accident
SO Acronyms

LOVE SEISMIC WAVES
(USGS)
DA October 12, 1990
RT Earthquake Magnitude
RT Rayleigh Seismic Waves
RT Surface Wave Magnitude
SO Natural Phenomenon
DEF (USGS) Types of surface waves having a horizontal motion that is shear or transverse to the direction of propagation. Its velocity depends only on density and rigidity modulus, and not on bulk modulus.

LOVELACE MEDICAL FOUNDATION
DA January 11, 1991
BT1 DOE Contractors
BT2 Potentially Responsible Parties
BT1 Foundations
BT2 Research and Development Organizations
BT3 Organizations
RT Albuquerque Operations Office
RT Inhalation Toxicology Research Institute

LOW CONCENTRATION PCBS
(TSCA; CFR)
DA October 12, 1990
BT1 Polychlorinated Biphenyls
BT2 Carcinogens
BT3 Hazardous Substances
BT2 Chlorinated Hydrocarbons
BT3 CERCLA Hazardous Substances
BT4 Hazardous Substances
BT3 Halogenated Organic Compounds
BT4 Halogenated
BT4 Organic Chemicals
BT5 Chemical Substances
SO Hazardous Materials
DEF (CFR) PCBs that are tested and found to contain less than 500 ppm PCBs, or those PCB-containing materials which EPA requires to be assumed to be at concentrations below 500 ppm (i.e., untested mineral oil dielectric fluid).

LOW ENERGY GAMMA MONITOR
DA January 8, 1991
SF *LEGM*
BT1 Monitors
BT2 Equipment
BT1 Radiation Detectors
BT2 Equipment

LOW LEVEL RADIOACTIVE WASTES
(EPA)
DA October 12, 1990
SY Low Level Wastes
SF *LLRW*
BT1 Radioactive Wastes
BT2 Wastes
SO Environmental Protection Agency Glossary
DEF (EPA) Wastes less hazardous than most of those generated by a nuclear reactor. Usually generated by hospitals, research laboratories, and certain industries. The Department of Energy, Nuclear Regulatory Commission, and EPA share responsibilities for managing them.

LOW LEVEL WASTE DISPOSAL DEVELOPMENT DEMONSTRATION
DA January 8, 1991
SF *LLWDDD*

LOW LEVEL WASTES
(DOE Order 6430.1A; EMER)
DA October 12, 1990
SY Low Level Radioactive Wastes
SF *LLW*
BT1 Radioactive Wastes
BT2 Wastes
RT Below Regulatory Concern
SO Construction
SO Emergency Preparedness
DEF (DOE Order 6430.1A) Radioactive wastes not classified as high-level waste, transuranic waste, spent nuclear fuel, or by- product material.

LOW POWER REACTOR FACILITY
(1802 LOW POWER RE)
DA December 10, 1990
BT1 Facility (DOE FRASE Vocabulary)
BT2 Facilities and Buildings (DOE FRASE Vocabulary)
BT3 Facilities
BT1 Reactor Facilities
BT2 Nuclear Facilities
BT3 Facilities
SO DOE FRASE VOCABULARY

LOW PRESSURE COOLANT INJECTION
DA January 8, 1991
SF *LPCI*

LOW PRESSURE COOLING RECIRCULATION PHASE
DA January 8, 1991
SF *LPCR*

LOW PRESSURE CORE SPRAY
DA January 8, 1991
SF *LPCS*

LOW PRESSURE INJECTION
DA January 8, 1991
SF *LPI*

LOW PRESSURE PUMP PAD
DA January 8, 1991
SF *LPPP*

LOW PRESSURE RECIRCULATION SYSTEM
DA January 8, 1991
SF *LPRS*
BT1 Systems

LOW PRESSURE RECIRCULATION SYSTEM HEAT EXCHANGER
DA January 8, 1991
SF *LPRSX*
BT1 Heat Exchanger
BT2 Equipment/Parts - Nuclear (DOE FRASE Vocabulary)
BT3 Equipment
BT3 Reactor Components

LOW PRESSURE SERVICE WATER
DA January 8, 1991
SF *LPSW*

LOW SPECIFIC ACTIVITY
(DOE Order 5480.3; ESH)
DA October 12, 1990
BT1 Specific Activity
BT2 Activity (Nuclear)
BT3 Measurements
RT Low Specific Activity Materials
SO Hazardous Materials
DEF (DOE Order 5480.3) Material of low radioactivity level such as ores and chemical concentrations of those ores. The low specific activity definition is in 49 CFR 173.403.

LOW SPECIFIC ACTIVITY MATERIALS
(CFR; EMER)
DA October 12, 1990
BT1 Radioactive Materials
BT2 Materials
RT Low Specific Activity
SO Emergency Preparedness
SO Hazardous Materials
DEF (CFR) Any of the materials such as uranium or thorium ores and physical or chemical concentrates of those ores, unirradiated natural or depleted uranium or unirradiated natural thorium, etc.

LOWER BACK
(1114 LOWER BACK)
DA November 28, 1990
BT1 Back
BT2 Trunk
BT3 Human Body Parts
SO DOE FRASE VOCABULARY

LOWER EXPLOSIVE LIMIT
(EPA)
DA October 12, 1990
SF *LEL*
BT1 Limits
SO Environmental Protection Agency Glossary
DEF The concentration of a compound in air below which a flame will not propagate if the mixture is ignited.

LOWER LEG
(1125 LOWER LEG)
DA November 28, 1990
BT1 Leg(s)
BT2 Human Body Parts
RT Leggings
SO DOE FRASE VOCABULARY

LOWER LIMIT OF DETECTION
(ESH)
DA October 12, 1990
SF *LLD*
BT1 Detection Limits
BT2 Limits
SO Management
DEF (ESH) The smallest amount of a contaminant that can be distinguished in a sample by a given measurement procedure at a given confidence level.

LOWEST ACHIEVABLE EMISSION RATE
(CAA; CFR; USC; ESH)
DA October 12, 1990
BT1 Rates
RT National Emissions Standards for Hazardous Air Pollutants
SO Air Pollution
SO Environmental Protection Agency Glossary
DEF (EPA) Under the Clean Air Act, this is the rate of emissions that reflects (a) the most stringent emission limitation that is contained in the implementation plan of any state for such source unless the owner or operator of the proposed source demonstrates such limitations are not achievable; or (b) the most stringent emissions limitation achieved in practice, which ever is more stringent. Application of this term does not permit a proposed new or modified source to emit pollutants in excess of existing new source standards./ (ESH) The use of the "lowest achievable emission rate" is required of new or modified sources locating in nonattainment areas (40 CFR 51.165).

LOWEST-OBSERVED-ADVERSE-EFFECT LEVEL
(EPA)
DA October 12, 1990
RT Dose-Response Evaluation

SO Environmental Protection Agency Glossary
DEF (EPA) (LOAEL) In dose-response experiments, the experimental exposure level representing the lowest level tested at which adverse effects were demonstrated.

LPCI
DA October 12, 1990
SEE Low Pressure Coolant Injection
SO Acronyms

LPCR
DA October 12, 1990
SEE Low Pressure Cooling Recirculation Phase
SO Acronyms

LPCS
DA October 12, 1990
SEE Low Pressure Core Spray
SO Acronyms

LPI
DA October 12, 1990
SEE Low Pressure Injection
SO Acronyms

LPP
DA October 12, 1990
SEE Long Plenum Plugs
SO Acronyms

LPPP
DA October 12, 1990
SEE Low Pressure Pump Pad
SO Acronyms

LPRS
DA October 12, 1990
SEE Low Pressure Recirculation System
SO Acronyms

LPRSX
DA October 12, 1990
SEE Low Pressure Recirculation System Heat Exchanger
SO Acronyms

LPSW
DA October 12, 1990
SEE Low Pressure Service Water
SO Acronyms

LTA
DA October 12, 1990
SEE Less than Adequate
SO Acronyms

LUBRICATING OILS
(SWDA; RCRA; USC)
DA October 12, 1990
BT1 Oils
RT Re-refined Oils
SO Wastes
DEF (USC) The fraction of crude oil that is sold for purposes of reducing friction in any industrial or mechanical device. Such term includes re-refined oil.

LUNG CLASSES
(IAEA)
DA October 12, 1990
RT Biological Clearance Rate
SO Radiation
DEF (IAEA) A classification scheme used by the ICRP to designate the clearance of inhaled radioactive materials from the lung. Materials are classified on the basis of their period of retention in the pulmonary region. D (Day) indicates a biological half- life of less than 10 days. W (Week) a half-life of 10-100 days. Y (Year) a half-life greater than 100 days.

LWC
DA October 12, 1990
SEE Lost Workday Cases
SO Acronyms

LWR
DA October 12, 1990
SEE Light Water Reactor
SO Acronyms

M
DA October 12, 1990
SEE Moment Magnitude
SO Acronyms

M&O
DA October 12, 1990
SEE Management and Operating Contractor for DOE Facility
SO Acronyms

M&T
DA October 12, 1990
SEE Main and Trim
SO Acronyms

MACCS
(Acronyms and Abbreviations)
DA October 12, 1990
BT1 Computer Codes
DEF A computer code used in accident consequence analysis.

MACHINE BASIN
DA January 8, 1991
SF *MB*

MACHINE GUNS
(Doe Order 5480.16)
DA October 12, 1990
BT1 Small Arms
BT2 Firearms
NT1 Submachine Guns, Closed Bolt
NT1 Submachine Guns, Open Bolt
SO Firearms
DEF (DOE Order 5480.16) A fully automatic weapon capable of firing multiple rounds with a single pull of the trigger; it is belt fed and is usually mounted on a bipod, tripod, or another fixture.

MACHINE PISTOLS
(Doe Order 5480.16)
DA October 12, 1990
BT1 Pistols
BT2 Handguns
BT3 Small Arms
BT4 Firearms
RT Magazines
SO Firearms
DEF (DOE Order 5480.16) Capable of being fired in the fully automatic mode.

MACHINE SETUP/OPERATOR
(0710 MACHINE OPER)
DA November 28, 1990
BT1 Precision/Production Personnel
BT2 Occupations
BT2 Personnel
SO DOE FRASE VOCABULARY

MACHINE SHOP
(1784 MACHINE SHOP)
DA December 10, 1990
BT1 Building (DOE FRASE Vocabulary)
BT2 Facilities and Buildings (DOE FRASE Vocabulary)
BT3 Facilities
SO DOE FRASE VOCABULARY

MACHINES (DOE FRASE VOCABULARY)
(DOE FRASE Vocabulary Numeric Keys 2100-2199)
DA December 10, 1990
BT1 Equipment
NT1 Agitator
NT1 Agricultural Machine
NT1 Air Dryer
NT1 Band Saw
NT1 Biostabilizers
NT1 Boring Machine
NT1 Centrifuge
NT1 Comminuters
NT1 Compactor
NT1 Compressor
NT2 Air Compressor
NT1 Concrete Saw
NT1 Crushing Machine
NT1 Discharge Machine
NT1 Drilling Machine
NT1 Drying Machine
NT1 Electrical Office Machine
NT1 Emergency Diesel Generator
NT1 Grinding Machine
NT1 Hammermills
NT1 Lathe
NT1 Milling Machine
NT2 Ball Mill
NT2 Roll Mill
NT1 Mixing Machine